2022h0° 96Thh0T

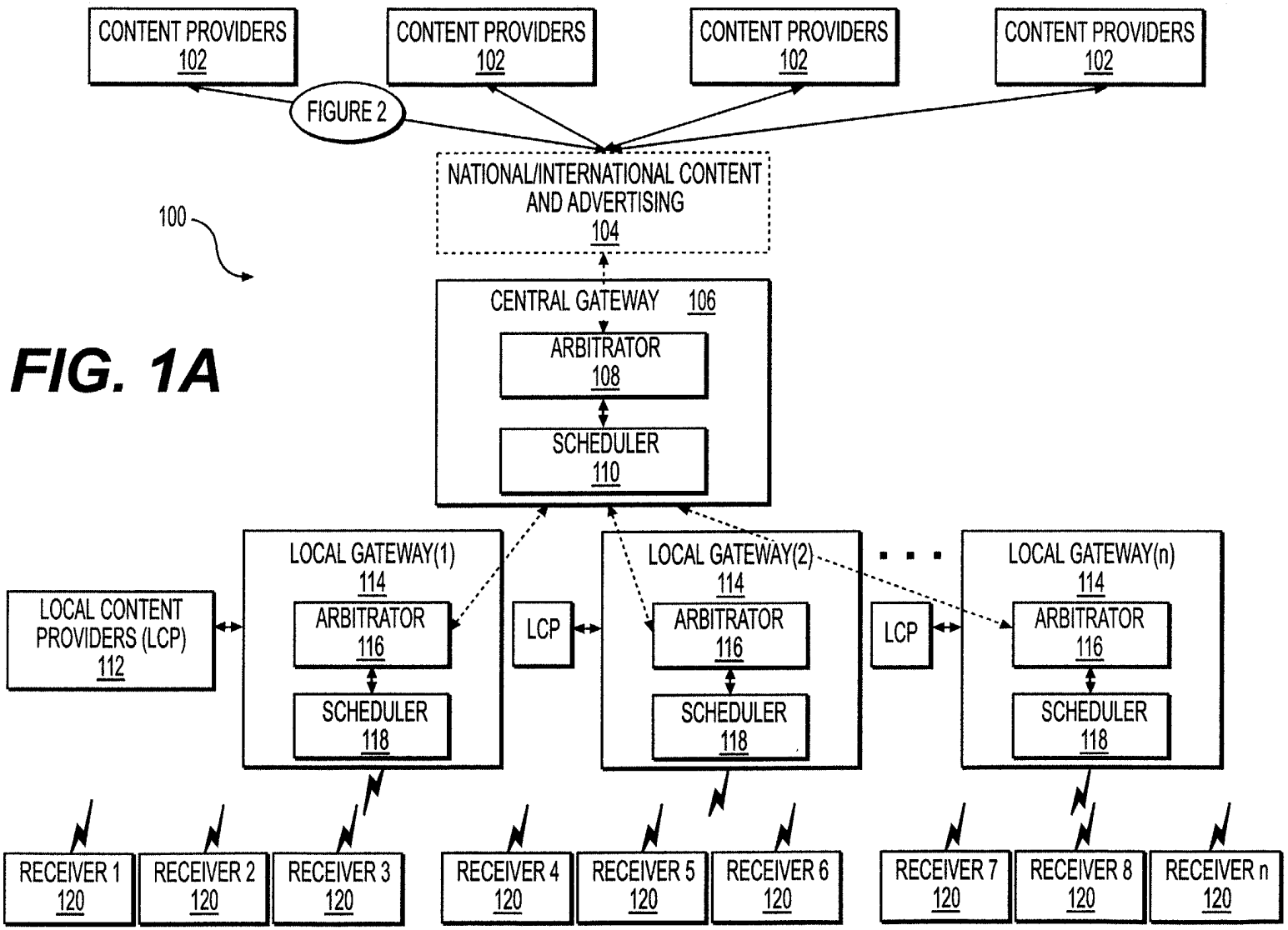

FIG. 1A

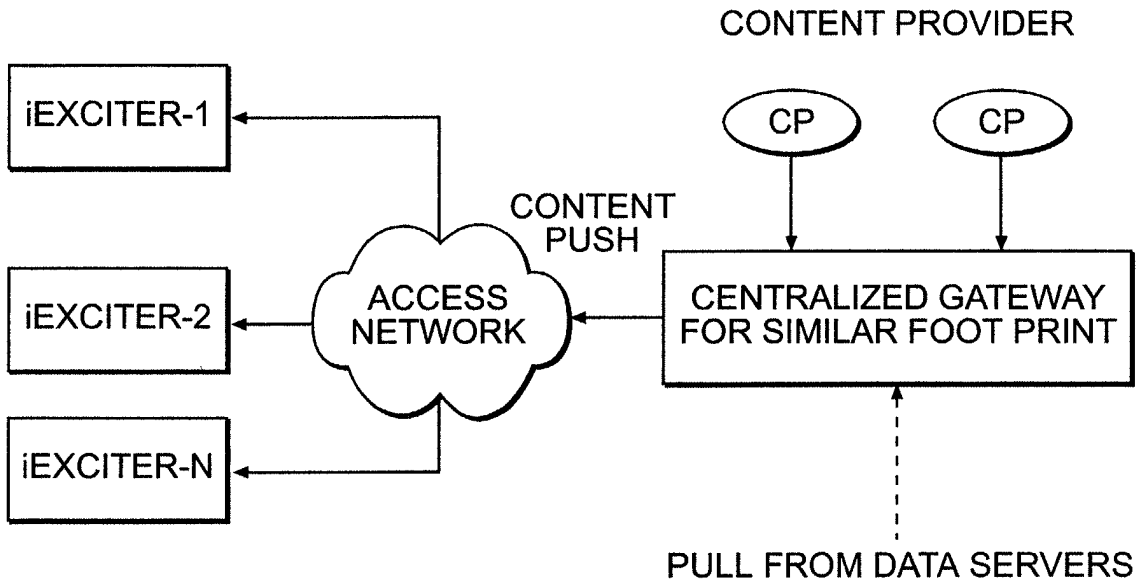
CONTENT PROVIDER
CP
CP
iEXCITER-1
iEXCITER-2
iEXCITER-N
CONTENT
PUSH
ACCESS
NETWORK
CENTRALIZED GATEWAY
FOR SIMILAR FOOT PRINT
PULL FROM DATA SERVERS

FIG. 1B

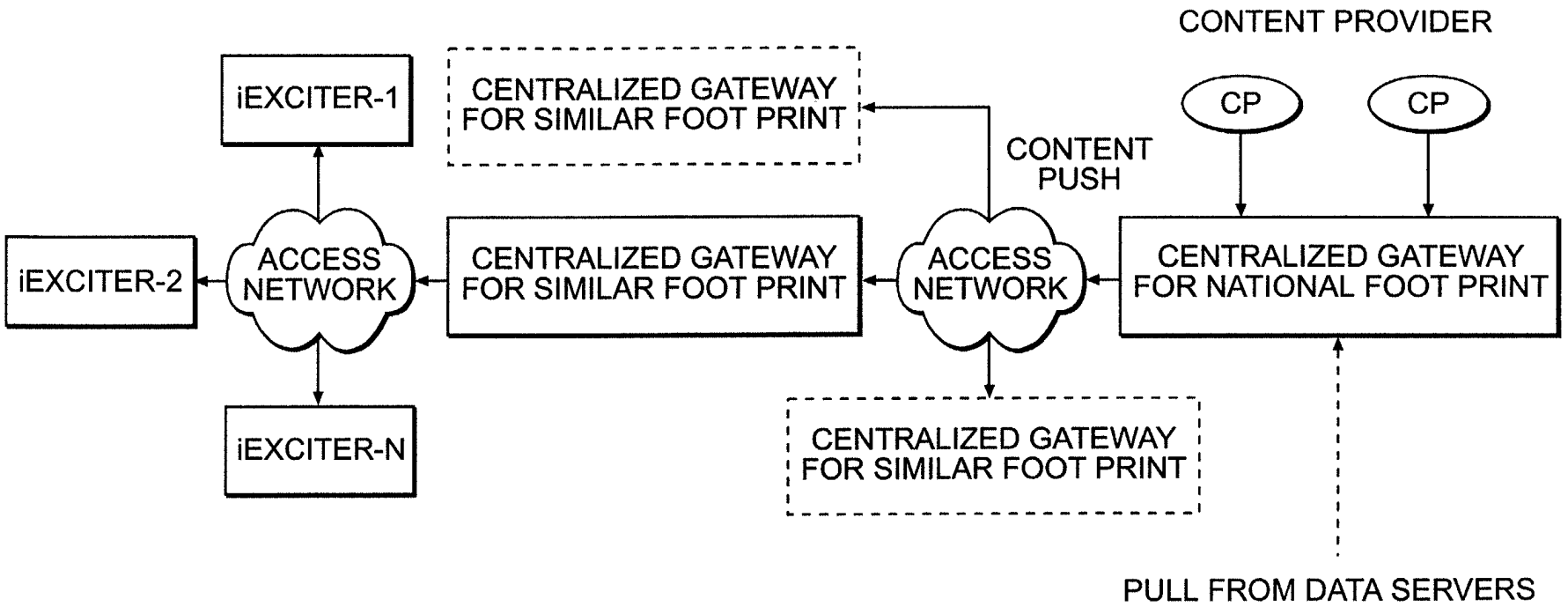
CONTENT PROVIDER
CP
CP
iEXCITER-1
CENTRALIZED GATEWAY FOR SIMILAR FOOT PRINT
CONTENT PUSH
iEXCITER-2
ACCESS NETWORK
CENTRALIZED GATEWAY FOR SIMILAR FOOT PRINT
ACCESS NETWORK
CENTRALIZED GATEWAY FOR NATIONAL FOOT PRINT
iEXCITER-N
CENTRALIZED GATEWAY FOR SIMILAR FOOT PRINT
PULL FROM DATA SERVERS

FIG. 1C

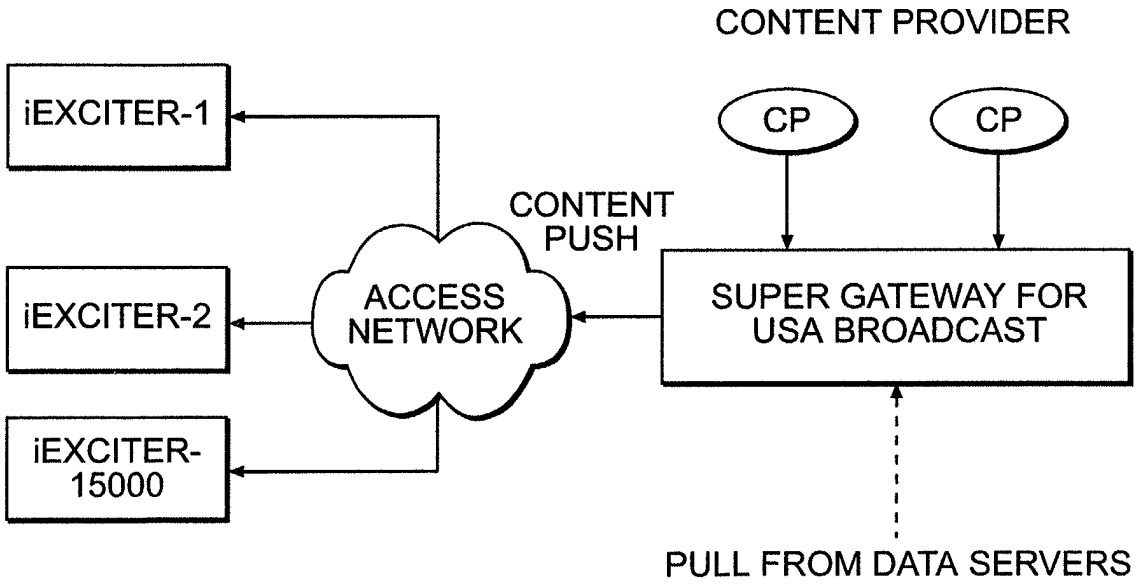
CONTENT PROVIDER
CP
CP
iEXCITER-1
iEXCITER-2
iEXCITER-15000
ACCESS NETWORK
CONTENT PUSH
SUPER GATEWAY FOR USA BROADCAST
PULL FROM DATA SERVERS

FIG. 1D

ORIGINATING ADD	DESTINATION ADD	MESSAGE REFERENCE	SERVICE CLASS	PRIORITY INDICATOR	SERVICE CATEGORY	ALERT	LANGUAGE ID	PERIODICITY	VALIDITY	VALIDITY ABSOLUTE	ZONE	SECURITY	PRIVACY INDICATOR	FEATURE PRIVATE
DISPLAY EXECUTION	• • •	• • •												
BEARER DATA.....N-BYTES														

FIG. 2

MESSAGE NAME	ASP	iPPG	Rx	DESCRIPTION
ORIGINATING ADD	X	X	X	SERVICE OPERATOR CODE (SOC) OR ADDRESS
DESTINATION ADD	X		X	BROADCAST, MULTICAST OR UNICAST
MESSAGE REF.	X	X		RANDOM #0- 16 BITS LONG?
SERVICE CLASS	X	X		BASIC, PREFERRED, PREMIUM, ETC.
PRIORITY INDICATOR	X	X	X?	NORMAL, URGENT, EMERGENCY
SERVICE CATEGORY		X	X	UNKNOWN/UNSPECIFIED, ADMINISTRATIVE, MAINTENANCE, TALENT ANNOUNCEMENT, ADVERTISEMENT, NEWS (LOCAL, REGIONAL, NATIONAL, INTERNATIONAL), SPORTS, WEATHER, TRAFFIC, EMERGENCY, ALERT, STOCKS (LOCAL, REGIONAL, NATIONAL, INTERNATIONAL), ENTERTAINMENT, RESTAURANTS, LODGING, ADVERTISEMENTS, MEDICAL, HEALTH, HOSPITALS, MULTIMEDIA, AUDIO, LOGO, TEXT, ETC.
ALERT			X	WITH INFO VIBRATE, TONE, REMIND, CADENCE, ETC.
LANGUAGE ID	X		X	LANGUAGE FILTRATION
PERIODICITY	X			REPETITION RATE
VALIDITY	X	X		INDEFINITE, POWER DOWN, DISPLAY ONLY, ETC.
VALIDITY ABSOLUTE	X	X		VALIDITY PERIOD (MESSAGE VALID DURING THESE TIMES)
VALIDITY PERIOD	X	X		MESSAGE VALID/NOT VALID DURING THESE TIMES
MESSAGE TIME STAMP		X	X	OPTIONAL
ZONE	X	X		CELLS, SECTORS, ENTIRE, ETC.
BEARER DATA	X	X	X	ANY DESIRED MESSAGE CONTENTS (MAX SIZE?)
CONTACT #	X		X	FOR POINT OF SALE INFORMATION. MAY BE A HYPERLINK.
SECURITY		X	X	?
PRIVACY INDICATOR		X	X	UNRESTRICTED, RESTRICTED, CONFIDENTIAL, SECRET
FEATURE PRIVATE	X		X	
DISPLAY EXECUTION		X	X	PRE DOWNLOAD WITH DEACTIVATE ON/OFF WITH KEY/WITHOUT KEY
TBD				TO BE DETERMINED

FIG. 3

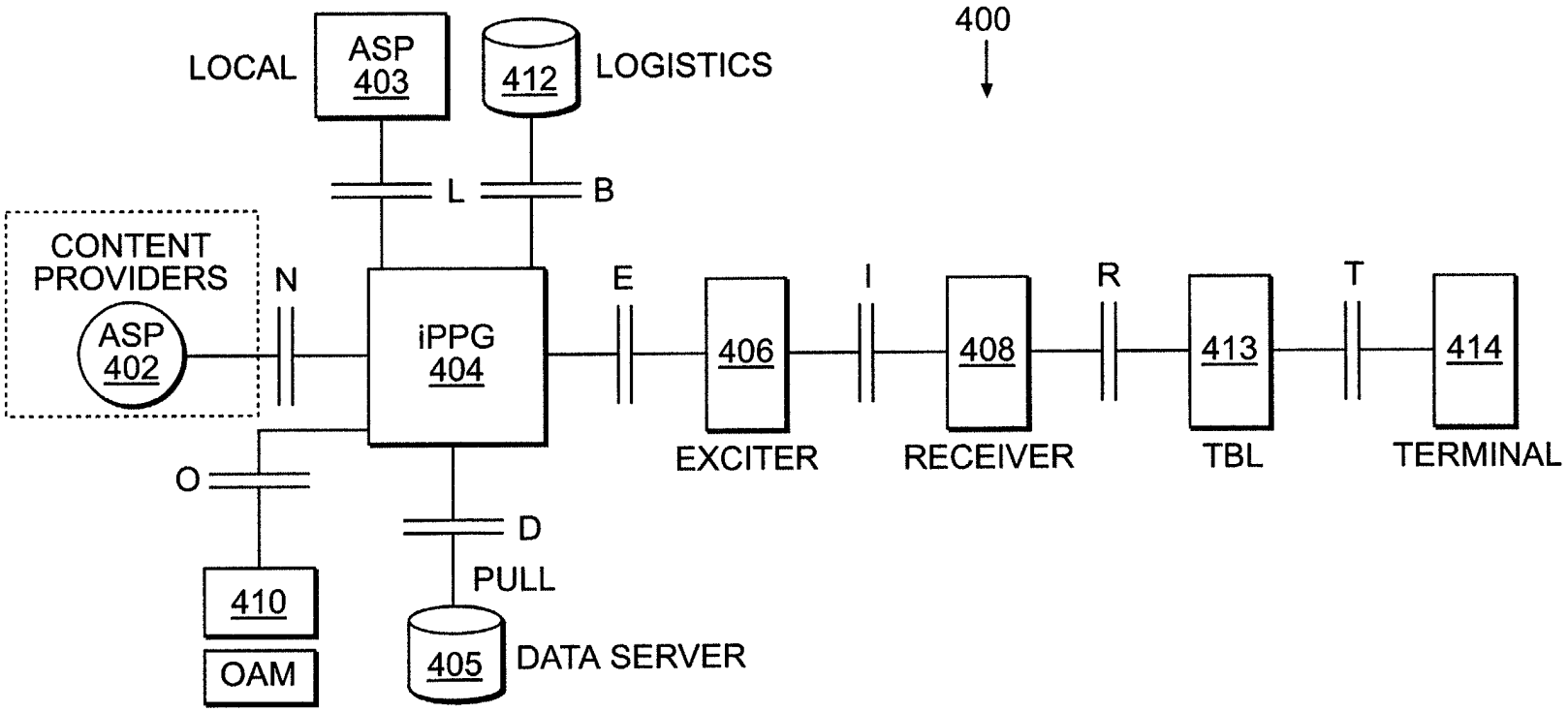
400
LOCAL
ASP
403
412
LOGISTICS
L
B
CONTENT
PROVIDERS
ASP
402
N
iPPG
404
E
406
I
408
R
413
T
414
EXCITER
RECEIVER
TBL
TERMINAL
O
D
PULL
410
OAM
405
DATA SERVER

FIG. 4

20230906160107

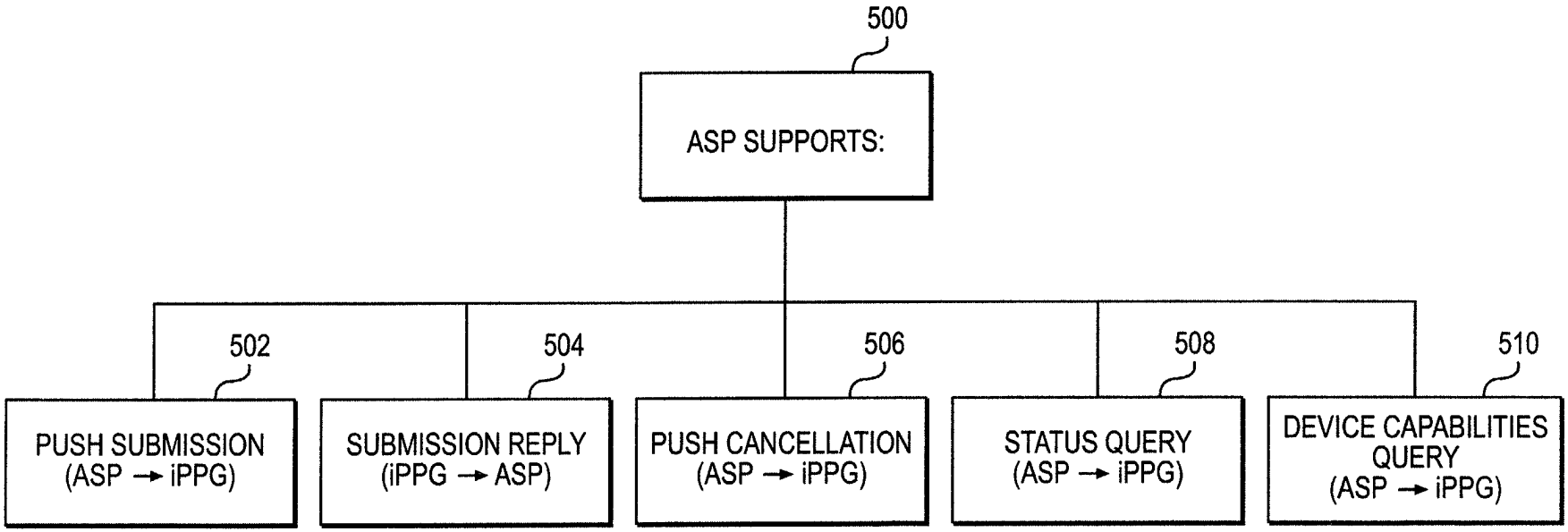

FIG. 5

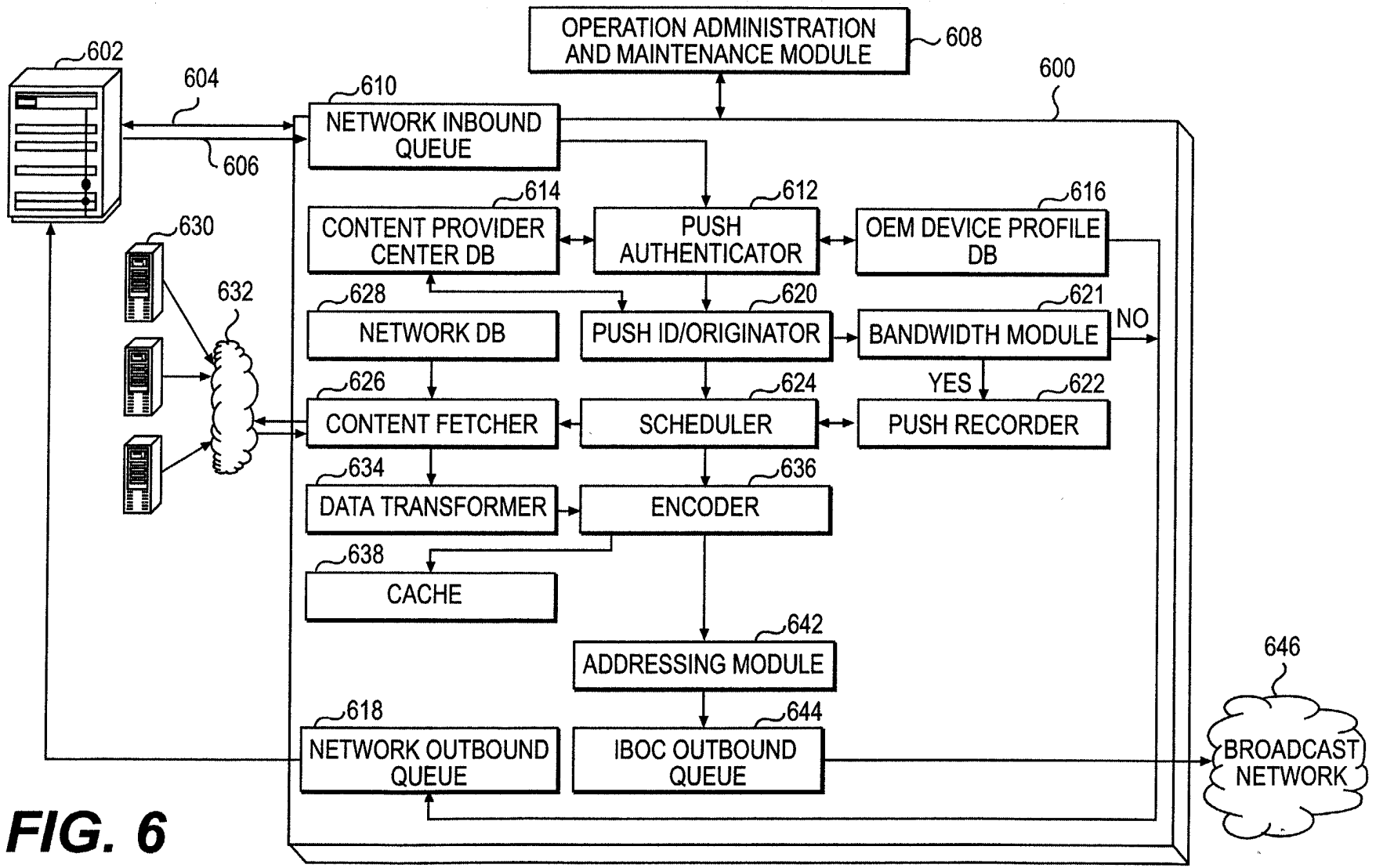
OPERATION ADMINISTRATION AND MAINTENANCE MODULE
608
600
602
604
606
610
NETWORK INBOUND QUEUE
614
CONTENT PROVIDER CENTER DB
612
PUSH AUTHENTICATOR
616
OEM DEVICE PROFILE DB
630
632
628
NETWORK DB
620
PUSH ID/ORIGINATOR
621
BANDWIDTH MODULE
NO
YES
626
CONTENT FETCHER
624
SCHEDULER
622
PUSH RECORDER
634
DATA TRANSFORMER
636
ENCODER
638
CACHE
642
ADDRESSING MODULE
646
618
NETWORK OUTBOUND QUEUE
644
IBOC OUTBOUND QUEUE
BROADCAST NETWORK

FIG. 6

2024-07-16 16:00:00

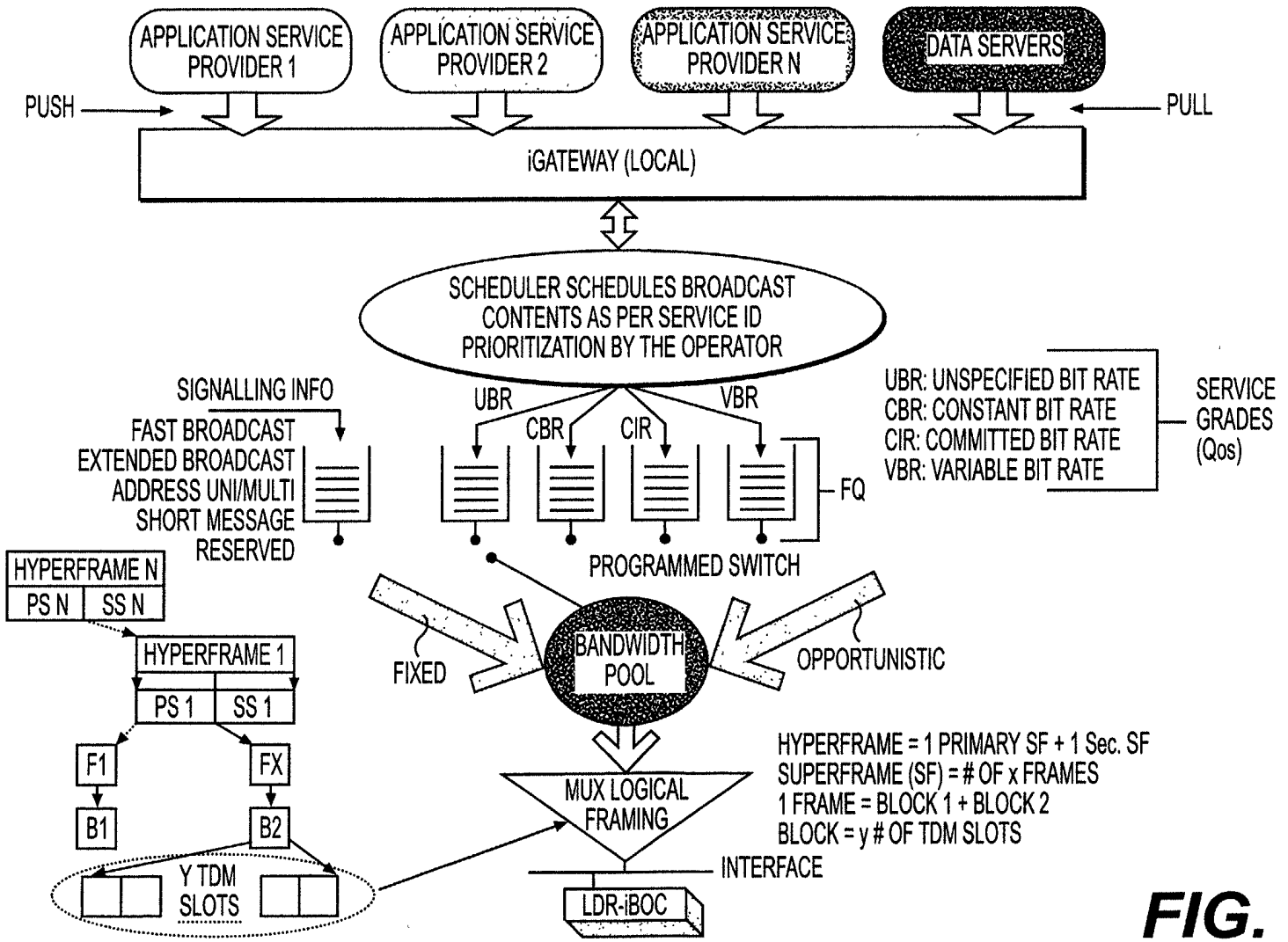

FIG. 7